

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of Documents, with indication, where appropriate, of the relevant passages	Relevant to claim no.
A	US 4 689 542 A (Ibori Satoshi et al.) 25 August 1987 (08-25-1987) abstract figures 3,4,8 claim 12 column 1-8	1-23
A	US 4 409 533 A (Kawabatea Takao) 11 October 1983 (10-11-1983) figure 1 claim 1 column 1, line 1-23 column 2, line 1-59	1-23
A	Holtz J et al.: "Controlled AC drives with ride-through capability at power interruption" Industry Applications Society Annual Meeting 1993., Conference Record of the 1993 IEEE Toronto, Ont., Canada 2-8 Oct. 1993, New York NY, USA, IEEE, US, 2 October 1993 (10-02-1993), pages 629-636, XP010118698 ISBN: 0-7803-1462-X the entire document	1-23
A	US 5 475 292 A (Nakanishi Takashi et al.) 12 December 1995 (12-12-1995) abstract figures 2,3 claims 1,2,4, column 1-2	1-23
The present Search Report is relevant for all claims.		
Place of Search	Date of Search	Examiner
Rijswijk	March 31, 2003	Zettler, K-R

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Category	Citation of Documents, with indication, where appropriate, of the relevant passages	Relevant to claim no.
A	Klumpner C et al.: "Short term ride through capabilities for direct frequency converters" Conference Proceedings, XP010517244 the entire document	1-23
A	Patent Abstracts of Japan vol. 1996, no. 09, 30 September 1996 (09-30-1996) & JP 08130882 A (Fuji Electric Co. Ltd), 21 May 1996 (05-21-1996) abstract	1-23
A	Patent Abstracts of Japan vol. 018, no. 475 (E-1601) 5 September 1994 (09-05-1994) & JP 06 153587 (Hitachi Ltd.), 31 May 1994 (05-31-1994) abstract	1-23
A	Sunter et al.: "A true four quadrant matrix converter induction motor drive with servo performance" Pesc 96 Record. 27 th Annual IEEE Power Electronics Specialists Conference (Cat. No. 96CH35962), Pesc Record. 27 th Annual IEEE Power Electronics Specialists Conference, Baveno, Italy, 23-27 June 1996, Pages 146-151 vol. 1, XP002236654 1996, New York, NY. USA, IEEE, USA ISBN: 0-7803-3500-7 the entire document	1-23

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T	<p>Wiechmann E P et al.: "Continuously motor-synchronized ride-through capability for matrix-converter adjustable-speed drives"</p> <p>IEEE Transactions on Industrial Electronics, April 2002, IEEE, USA, Vol. 49, No. 2, pages 390-400, XP002236655</p> <p>ISSN: 0278-0046</p> <p>Abstract</p> <p>Page 398, right column</p> <p>Page 399, left column</p>	1-23

This annex lists the patent family members relating to the patent documents cited in the above-mentioned International search report.

Patent document cited in search report	Publication date	Patent family member (s)	Publication date
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